# **NEVADA GAMING CONTROL BOARD** ASSOCIATED EQUIPMENT REVIEW CHECKLIST

Auditors' Initials and Date

	CARD G	SAMES SYSTEMS					
Manufacturer:		Review Date(s):					
System:		Auditor(s):	Auditor(s):				
Version:							
Account #:	Project #:						

Manufacturer's Personnel	Position	Contact Information

Bolded references indicate procedures/documents that must be performed/prepared by the system. With regard to the unbolded references, if the procedures/documents are performed/prepared by the system, the system will not be approved until those features either function in compliance with Nevada's regulatory scheme, are securely disabled in the system or are removed from the system. Underlined references indicate reports, records or source documents. The exact title for reports, records or source documents should be included in the comments column, where applicable.

### Pass Fail N/A Comments **General Controls** Is the computer system, including application software, secured through the use of passwords or biometrics? Note: Other means may be approved by the Board upon submission. IT MICS #3 Is access to system functions limited to ensure 2. segregation of duties? IT MICS #4 3. Has the manufacturer supplied system documentation, including description of both hardware and software (including version numbers), operator manuals, etc? IT MICS #6 Are user identification numbers/names and passwords 4. controlled as follows unless otherwise addressed in this checklist: (a) When multiple identification numbers/names per application are used, is only one number active at a time and does the user name have a unique prefix/suffix to easily identify the users with multiple operator numbers? IT MICS #7a (b) On a quarterly basis, does the system prompt users to change passwords and then denies access if the change is not completed? Alternatively, are changes to passwords documented by the system? IT MICS #7d (c) Are passwords required to be at least four characters long? Are personnel access listings created which include at a minimum: (a) Employee name and title or position? (b) Employee identification? (c) Listing of functions the employee can perform or equivalent means of identifying same? IT MICS # 9 If the system can be remotely accessed, do the 6. controls only allow authorized vendor personnel access to the system? IT MICS #15c Document in the comments column what information the system records when it is remotely accessed. IT MICS #16 7. Do the created reports include on all pages: (a) Document title? (b) Row/column headings? (c) Page number? (d) Version number of the current system software?

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	<ul><li>(e) The date or time period of the activity?</li><li>(f) The date and time the document was generated?</li></ul>	Pass	Fail	N/A	Comments
8.	If the system backs-up daily data files, does the backup feature function properly? IT MICS #5a				
9.	Is in-house developed or purchased software programs backed-up? Backup of purchased software is not required if software can be reinstalled by the vendor. IT MICS #5b				
10.	Does the system directly store documents to unalterable media? If so,  (a) Does the storage medium contain an exact duplicate of the original document? IT MICS #17a  (b) Are all documents stored maintained with a detailed index containing the department and date? Regulation 6.040(1) & IT MICS #17b				
11.	Is system exception information created (e.g. changes to system parameters, corrections, overrides, voids, etc.)? IT MICS #8				
12.	Are IT personnel denied access to live data files? IT MICS #11c				
13.	If the system is capable of generating security logs (e.g. multiple attempts to log on, denial of access to users after three tries, changes to live data files, etc.), are the logs accessible to IT supervisors for review? IT MICS #13 Describe items that the log lists.				
	REGULATORY COMPLIANCE (The following steps, where applicable, should be verified/tested through the system)				
14.	If so designed, does the system require supervisor authorization prior to transfers between table banks and the main card room bank or casino cage? Card MICS #2				
15.	If so designed, does the system document the verification of the card room dealer and the runner for transfers from the main card room bank or casino cage to the table banks? Card MICS #3				
16.	If so designed, does the system access require authorization prior to transfers between the main card room bank and the casino cage? Card MICS #4				
17.	If so designed, does the system produce documentation for transfers between the main card room bank and the casino cage? Card MICS #4				
18.	If so designed, does the system require authorization of a supervisor if the rake is not collected in accordance with posted rules? Card MICS #6				
19.	If so designed, does the system produce a record for the amount in the main card room bank on at least a per shift basis? Card MICS #9				

If so designed, does the system produce a check out

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	form for the dealer (or other individual if the ta closed) and the supervisor to sign and attest the table banks are counted, recorded, and re on at least a per shift basis? Card MICS #10	o, when	Fail	N/A	Comments	
21.	If so designed, to account for promotional propots and pools, are payouts for promotional progressive pots, pools and any other promotion any amount greater than or equal to \$100 documented to include the following Card MIC (a) Date and time?  (b) Dollar amount of payout or description of property?  (c) Reason for payout (e.g., promotion name) (d) Line(s) for the signature of two employees verifying, authorizing, and completing the prorpayout?	ion for  CS #16:  personal ?				
22.	If so designed, does the system produce documentation to support bank accountability which the payout was made, if the payout for promotional progressive pot, pool, or other prois less than \$100? Card MICS #17	the				
23.	If so designed, are all contest/tournament entrand prize payouts summarized on an account document on a daily basis? Card MICS #27					
24.	If so designed, when individual contest/tournal entry fees and prize payouts are transacted, a recorded in the system and does the system product documentation which contains Card MICS #2 (a) Patron's name?  (b) Date of entry/payout?  (c) Dollar amount of entry fee/payout (both all numeric)?	pha and				
	<ul><li>(d) A line for the signature or initials or the incompleting the transaction?</li><li>(e) Name of the contest/tournament?</li></ul>	dividual				
25.	If so designed, does the system summarize contest/tournament fees and payouts on a modocument? Card MICS #29	onthly				
26.	If so designed, does the system record the research contest/tournament for participants' review includes the following Card MICS #31:  (a) Name of the event?					
	<ul><li>(b) Date(s) of the event?</li><li>(c) Total number of entries?</li></ul>					
	(d) Dollar amount of entry fees?					
	<ul><li>(e) Total prize pool?</li><li>(f) The dollar amount paid for each winning category?</li></ul>					
27.	If so designed, does the system record and me the names of each contest/tournament winner can the names of the winners be suppressed authorized? Card MICS #31	r and				
28.	If the computerized system records card game revenue (either on the master games summar monthly record), are the components of card gross revenue in compliance with the definitio NRS 463.0161, NRS 463.3715(1),(2) & (5) and	ry or a games ns of				

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	Regulations 1.060, 1.150 and 6.110(4), (5) & (8)?	Pass	Fail	N/A	Comments
29.	If the system records, increments and pays out inhouse progressive jackpots Regulation 5.110(2) & (3):				
	<ul><li>(a) Is a log created which records the base amount and the amount of the jackpot at least once a day?</li><li>(b) Are changes to the rate of progression noted in the system records?</li></ul>				
	(c) If there is a limit in the progressive amount, does the system impose the limit correctly?				
	(d) Does the system record reductions/corrections to the progressive amount?				
30.	If the system has an inter-casino linked system component does it:				
	(a) In the case of a progressive payoff schedule that increases as the inter-casino linked system is played, have a minimum rate of progression for the primary jackpot meter of not less than .4 of one percent of the				
	amount wagered? <b>Regulation 14.045(1)</b> (b) In the case of an inter-casino linked system featuring a progressive payoff schedule that increases				
	over time, have a minimum rate of progression for the primary jackpot meter of not less than one hundred dollars per day? <b>Regulation 14.045(1)</b>				
	<ul><li>(c) Allow the progressive payoff schedule to be limited as allowed by Regulation 5.112(5), "if so designed"?</li><li>(d) Have a method to secure data transmissions</li></ul>				
	between the games and devices and the main computer of the operator? Note: The method will be considered for Board approval as part of this review.  Regulation 14.045(2)				
31.	If the linked system records, increments and pays out inter-casino progressive jackpots Regulation 5.112(3) & (4):				
	(a) "If so designed" is a log created which records the base amount and the amount of the jackpot at least once a day?				
	(b) "If so designed" are changes to the rate of progression noted in the system records?				
32.	"If so designed" does the system create the following regarding an inter-casino linked system Regulation 5.180(2)(h):				
	(a) Progressive payoff schedule payout verification documents?				
	<ul><li>(b) Exception reports?</li><li>(c) End-of-day reports?</li></ul>				
	(d) Progressive payoff schedule reports?				
	(e) Game performance reports?				
	<ul><li>(f) Weekly reconciliation reports?</li><li>(g) Contribution to progressive payoff schedule reports?</li></ul>				
	<ul><li>(h) Tax sharing methodology?</li><li>(i) Others?</li></ul>				
	TEST OF TRANSACTIONS				
	Setup should include 1 card game area of at least 2 card tables and a card room bank. Access levels should be appropriately set to verify transactions which may need overrides. Transactions should take place over a minimum period of 3 days and should				

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	accounts with front mo be set up if credit can games system. Prior should be generated ( banks, progressive po that the system canno	s per day. Several patron oney and credit lines should also be extended as part of the card to testing, beginning reports e.g., card room bank, table ols/pots). Items listed below to perform as part of the card be marked "N/A – system to f card games".	Pass	Fail	N/A	Comments
		mes Transactions e rotated among the different				
33.	Perform transfers between the table banks.	veen the card room bank and				
34.	Void some transfers.					
35.	Perform sales for stak each type.	es/progressive pots or pools of				
36.	On the last day award promotion offered.	a winner or winners for each				
37.	Conduct a contest or t	ournament for each type.				
38.	Collect entry fees.					
39.	Award prizes to the wi tournament.	nners of any contest or				
40.	Issue markers using fr players.	ont money players and credit				
41.	Issue a marker for a p line.	atron with an insufficient credit				
42.	Issue a marker for a p money.	atron with insufficient front				
43.	Void markers.					
44.	Make partial payments redemption markers.	s on markers and issue				
			<u> </u>	-	<b>.</b>	

41. 42. 43. 44. 45. Make a partial payment and then void the payment. 46. Make marker payments using various types of payment types: a. Front money (CDW's) b. Cash c. Chips 47. If so designed, apply one payment to several markers for the same patron. 48. Make marker payments using various types of payment types and then void the payment. a. Front money (CDW's) b. Cash c. Chips Verify the patron's available line of credit decreases and then increases.

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		Pass	Fail	N/A	Comments		
49.	Individually transfer a marker to the cage.						
50.	Initiate a mass marker transfer, void the transfer and then make a payment on one of the markers.						
51.	Perform a mass marker transfer.						
52.	Perform card room drop.						
53.	<ul> <li>If the system has a currency counter interface perform the drop as follows:</li> <li>a. Using pre-counted money, run money through the counter for each table.</li> <li>b. Verify that the number of bills and denominations are accurately reflected on the counter tape or report by table and in total.</li> <li>c. Trace the drop totals by table and in total to the daily card games recap report.</li> </ul>						
54.	If there is not a currency counter interface perform a manual drop. Verify the drop entered by table and in total traces to the daily card games recap report and the master gaming report.						
55.	Trace all source documents (markers, payments, etc.) generated to the master gaming report and other applicable reports.						
56.	Foot and cross-foot all system reports.						
57.	Perform a reconciliation of the card room bank.						
58.	Record progressive amounts.						
59.	Verify progressive pools have properly incremented.						
60.	Verify the system properly paid out and calculated winners of any progressive pots, pools, contests or tournaments.						
61.	Verify exception reports document all adjustments, voids and overrides.						
	Back Office Accounting						
62.	Void the following documents from accounting: a. Card room bank transfers b. Markers						
63.	Add the following manual documents:  a. Card room bank transfers  b. Markers						
64.	Void one of each type of manual document.						
65.	Adjust the drop.						
66.	Verify all adjustments and voids are accurately stated by tracing into all applicable reports.						
67.	Foot and cross-foot all reports affected by any adjustment or void to verify the accuracy of the totals.						

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Does the system prohibit changes to the card room

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		Pass	Fail	N/A	Comments			
	drop past the posting of the period?							
69.	Do exception reports document all adjustments, overrides and voided activity?							
	Returns Items and Write-Offs							
	Note: If the card games system cannot generate markers this section should be marked "N/A – system cannot perform for card games".							
	Complete the following steps over a three day period. Use an established base of issued markers from which to perform transactions. If transactions need a day to lapse prior to performing additional transactions a fourth day may be required to establish a base of returned markers.							
	Prior to completing the following transactions generate all reports (i.e. marker aging reports, marker deposit reports, returned item aging reports, write-off aging report). While performing the following steps it may be helpful to generate before and after reports to track the transaction.							
70.	Deposit 30 or more markers.							
	Note: On the first day of testing 50 markers and checks should be deposited since these will be used to generate future return transactions.							
71.	Using the deposit information return 20 markers.							
72.	Post partial payments and full payments to returned items.							
73.	Post additional partial payments to return items that had payments posted on a previous day.							
74.	On the second day redeposit an item that was previously returned.							
75.	Void a partial and a full payment on returned items.							
76.	Write-off several of the following items: <ul><li>a) Returned marker with no payments posted.</li><li>b) Returned marker with a partial payment posted.</li></ul>							
77.	Post full and partial payments to written-off items. Be sure to post payments to items written off on previous days.							
78.	Early clear a deposit.							
79. 80.	Void a marker in deposit status. Reverse an item (change the status) of an item that was written off.							
81.	Verfiy all return and write-off activity is presented accurately by following the transactions through the various reports. This step is best accomplished when reports are generated before and after the transaction.							
82.	Foot and cross-foot all return and write-off reports to							

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verify the accura	cy of the totals.		Pass	Fail	N/A	Comments	

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